WELDING JOURNAL INDEX

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Welding Journal

This part includes general technical articles, papers presented before Section and National meetings, articles for the Practical Welder and Designer, news, biographical items, current welding literature and advertising.

Welding Research Supplement

This section includes the reports of the Welding Research Council, critical digests of the literature, reports of the Project Committees and research reports of industry, also papers presented at National Meetings.

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Maraging Steel Weldments in Air and Pentaborane—S. M. Toy and A. Phillips, 497-s to 504-s (Nov).
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Mechanical Properties of Aluminum Welds, Effects of Porosity on—J. F. Rudy and E. J. Rupert, 322-s to 336-s (July).
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LUKAS, M. J., JR.—The Weld Heat-Affected Zone in Nickel Base Alloy 718, 46-s to 53-s (Feb).
LUNDIN, C. D.—Distribution and Effects of Gas Porosity in Welds in CVD Tungsten, 461-s to 464-s (Oct), Effect of the Hot Cracking of Uranium Weld Metal—Part I, 579-s to 587-s (Dec).

MCCAULEY, R. B.—Effects of Porosity on High Strength Aluminum 7039, 311-s to 321-s (July).
MACHMEIR, P. M.—Effects of Impurities on Properties of High-Strength Steel Weld Metal, 521-s to 530-s (Nov).
MAREK, P. J.—Fatigue Tests on a Welded Beam with Pre-Existing Cracks, 245-s to 253-s (June).
MARKUS, H.—Simplified Determination of Thermal Experience in Fusion Welding, 410-s to 418-s (Sept).
MARTIN, D. C.—Effect of Commercial 2219 and 2014 Aluminum Weld Composition Variations 1-s to 8-s (Jan).
MASABUCHI, K.—Computor Analysis of Degree of Constraint of Practical Butt Joints, 166-s to 176-s (Apr).
MENAUL, R. F.—Computerized Prediction of Heat Distribution in Welding Tooling, 14-s to 26-s (Jan), Computerized Prediction of Heat Distribution in Weld Tooling—Further Definition, 272-s to 277-s (June).
MESICK, J. H.—A Report on New Matrix-Stiffened Nickel-Chromium Welding Products, 27-s to 32-s (Jan).
MILACEK, L. H.—Determination of Optimum Diffusion Welding Temperatures for Ti-6Al-4V, 219-s to 224-s (May).
MOLL, R. A.—A Toughness Study of Steel Weld Metal From Self-Shielded Flux-Cored Electrodes—Part I, 157-s to 165-s (Apr).
MONROE, R. E.—Effect of Commercial 2219 and 2014 Aluminum Weld Composition Variations, 1-s to 8-s (Jan).
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MOSKOWITZ, A.—Corrosion Resistance of Stainless Steel Weldments, 278-s to 284-s (June).
MUELLER, R. A.—Hydrogen Segregation in Ti-6Al-4V Weldments Made With Unalloyed Titanium Filler Metals, 207-s to 212-s (May).

NAGAPPAN, P.—Transient Temperature Distribution in Inertia Welding of Steels, 419-s to 426-s (Sept).
NUNES, A. C., JR.—Technical Note: Shear Stress Distribution at the Bond of Brazed Heat Transfer Panels, 138-s to 140-s (Mar).

PALEY, Z.—Effects Associated with Arc Blow, 389-s to 394-s (Sept).
PENSE, A. E.—Fatigue Tests on a Welded Beam with Pre-Existing Cracks, 245-s to 253-s (June).
PENSE, A. W.—Fracture Toughness of Pressure Vessel Steel Weldments, 341-s to 353-s (Aug), The Effects of Warm Overstressing on Pressure Veseel Steel Properties, 354-s to 364-s (Aug).
PEPE, J. J.—The Weld Heat Affected Zone of the 18 Ni Maraging Steels, 545-s to 553-s (Dec).
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744, 267-s to 271-s (June).
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PUZAK, P. P.—Characterization of Fracture Toughness of 5Ni-Cr-Mo-V Steel by Charpy V-Notch and Dynamic Tear Test 201-s to 206-s (May)., Mechanical Considerations in Fracture Characterization of Narrow Gap Weldments, 141-s to 147-s (Apr).

QUATTRONE, R.—Effects of Impurities on Properties of High-Strength Steel Weld Metal, 521-s to 530-s (Nov).

RADZIMINSKI, J. B.—Fatigue of High Yield-Strength Steel Weldments, 365-s to 375-s (Aug), Fatigue Crack Initiation and Propagation in High-Yield-Strength Steel Weld Metal, 445-s to 452-s (Oct).
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